

CLAIM OR CLAIMS

WHAT IS CLAIMED IS:

1. A serial data cursor for an analog waveform display of a serial digital data  
5 stream comprising:

a cursor representation having a horizontal length equal to a "word-  
time" for the serial digital data stream derived from a specified protocol and a  
clock recovered from the serial digital data stream; and

means for decoding a portion of the analog waveform display delimited  
10 by the cursor representation to present a human readable content display.

2. The serial data cursor as recited in claim 1 wherein the cursor  
representation comprises a highlighted box that encompasses the "word-  
time" of the analog waveform display.

3. The serial data cursor as recited in claim 1 wherein the cursor  
representation comprises a linear bar that extends along the analog  
15 waveform display for the "word-time".

4. A serial data cursor for extracting content from a serial digital data stream  
20 comprising:

means for displaying an analog waveform of the serial digital data  
stream;

means for displaying a representation of the serial data cursor along

with the analog waveform, the representation having a horizontal length equal to a "word-time" for the serial digital data stream derived from a specified protocol and a clock recovered from the serial digital data stream; and

5 means for decoding a portion of the analog waveform delimited by the representation to provide a display of the content in human readable form.

10 5. The serial data cursor as recited in claim 4 wherein the representation comprises a highlighted box that encompasses the "word-time" of the displayed analog waveform .

15 6. The serial data cursor as recited in claim 4 wherein the representation comprises a linear bar that extends along the displayed analog waveform for the "word-time".

7. A method of using a serial data cursor for extracting content from the analog waveform of a serial digital data stream comprising the steps of:

20 loading a data protocol having parameters for the serial digital data stream;

determining a "word-time" from the parameters and a clock recovered from the serial digital data stream;

displaying the analog waveform together with a representation of the serial data cursor having a length equal to the "word-time"; and

8. The method as recited in claim 7 further comprising the steps of:

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